

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL, GAS AND GEOTHERMAL RESOURCES
REPORT OF PROPERTY AND WELL TRANSFER

Field or county <u>Cal Canyon</u>		District 3 - SANTA MARIA	
Owner owner <u>Greka SMV, Inc.</u>		Opcode: <u>G3520</u>	Date <u>July 14, 2003</u>
Name and location of well(s)			
<u>Sec. 15 T. 9N. R. 33W. S.B. B&M</u> All Wells	<u>Sec. 27 T. 9N. R. 33W. S.B. B&M</u> All Wells	<u>Sec. 1 T. 8N. R. 33W. S.B. B&M</u> All Wells	<u>Sec. 11 T. 9N. R. 33W. S.B. B&M</u> All Wells
<u>Sec. 17 T. 9N. R. 33W. S.B. B&M</u> All Wells	<u>Sec. 34 T. 9N. R. 33W. S.B. B&M</u> All Wells	<u>Sec. 2 T. 8N. R. 33W. S.B. B&M</u> All Wells	<u>Sec. 12 T. 9N. R. 33W. S.B. B&M</u> All Wells
<u>Sec. 21 T. 9N. R. 33W. S.B. B&M</u> All Wells	<u>Sec. 35 T. 9N. R. 33W. S.B. B&M</u> All Wells	<u>Sec. 31 T. 9N. R. 32W. S.B. B&M</u> All Wells	<u>Sec. 14 T. 9N. R. 33W. S.B. B&M</u> All Wells
<u>Sec. 22 T. 9N. R. 33W. S.B. B&M</u> All Wells	<u>Sec. 36 T. 9N. R. 33W. S.B. B&M</u> All Wells	<u>Sec. 32 T. 9N. R. 32W. S.B. B&M</u> All Wells	
<u>Sec. 23 T. 9N. R. 33W. S.B. B&M</u> All Wells	<u>Sec. 4 T. 8N. R. 32W. S.B. B&M</u> All Wells	<u>Sec. 2 T. 9N. R. 33W. S.B. B&M</u> All Wells	
<u>Sec. 26 T. 9N. R. 33W. S.B. B&M</u> All Wells	<u>Sec. 5 T. 8N. R. 32W. S.B. B&M</u> All Wells	<u>Sec. 10 T. 9N. R. 33W. S.B. B&M</u> All Wells	

Description of the land upon which the well(s) is (are) located

Date of transfer, sale, assignment, conveyance, or exchange <u>6/17/2004</u>	New Owner <u>Greka Oil & Gas, Inc.</u>	Operator code <u>G3515</u>	Type of Organization <u>Corp.</u>
	Address <u>6527 Dominion Road</u> <u>Santa Maria, California 93454</u>		Telephone No. <u>(805) 347-8700</u>

Reported by Greka SMV, Inc.

Confirmed by Greka Oil & Gas, Inc.

New operator new status (status abbreviation) PA	Request Designation of Agent
Old operator new status (status abbreviation) PA	Remarks

Deputy Supervisor
William E. Brannon

Signature

William E. Brannon

OPERATOR STATUS ABBREVIATIONS

OPERATOR STATUS ABBREVIATIONS		FORM AND RECORD CHECK LIST				
	Form or record	Initials	Date	Form or record	Initials	Date
PA - Producing Active						
NPA - No Potential Active	Form OGD121	<u>Em</u>	<u>7/10/04</u>	Map and Book <u>310</u>	<u>JC</u>	<u>7/17/04</u>
P1 - Potential Inactive	Well records	<u>Em</u>	<u>7/10/04</u>	Lease Files		
NP1 - No Potential Inactive	New well cards			Well Stat	<u>HQ</u>	<u>7/10/04</u>
Ab - Abandoned or No More Wells	Bond Status	<u>HC</u>	<u>7/10/04</u>	District Computer Files	<u>HQ</u>	<u>7/10/04</u>
WEBhc						
cc: Cons. Committee						
<u>Greka Oil & Gas, Inc.</u>						

Santa Barbara County
Greka SMV, Inc.
Harold Beathoff

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL, GAS AND GEOTHERMAL RESOURCES
REPORT OF PROPERTY AND WELL TRANSFER

Field or county <u>Cat Canyon</u>		District <u>3 - SANTA MARIA</u>	
Former owner <u>Vintage Petroleum, Inc.</u>		Opcode: <u>V1350</u>	Date <u>August 27, 2002</u>
Name and location of well(s)			
<u>Sec 2, T 9N, R 33W, S.B. B&M</u> All Wells		<u>Sec 17, T 9N, R 33W, S.B. B&M</u> All Wells	
<u>Sec 10, T 9N, R 33W, S.B. B&M</u> All Wells		<u>Sec 21, T 9N, R 33W, S.B. B&M</u> All Wells	
<u>Sec 11, T 9N, R 33W, S.B. B&M</u> All Wells		<u>Sec 22, T 9N, R 33W, S.B. B&M</u> All Wells	
<u>Sec 12, T 9N, R 33W, S.B. B&M</u> All Wells		<u>Sec 23, T 9N, R 33W, S.B. B&M</u> All Wells	
<u>Sec 14, T 9N, R 33W, S.B. B&M</u> All Wells			
<u>Sec 15, T 9N, R 33W, S.B. B&M</u> All Wells			
Description of the land upon which the well(s) is (are) located			
Date of transfer, sale, assignment, conveyance, or exchange <u>7/01/2002</u>	New Owner <u>Greka SMV, Inc.</u> Address <u>3201 Airpark Drive, Suite 201</u> <u>Santa Maria, California 93455</u>	Operator code <u>G3520</u>	Type of Organization <u>Corp.</u> Telephone No. <u>(805) 347-8700</u>
Reported by <u>Vintage Petroleum, Inc.</u>			
Confirmed by <u>Greka SMV, Inc.</u>			
New operator new status (status abbreviation) <u>PA</u>	Request Designation of Agent		
Old operator new status (status abbreviation) <u>PA</u>	Remarks		
Deputy Supervisor <u>William E. Brannon</u>		Signature <u>William E. Brannon</u>	

OPERATOR STATUS ABBREVIATIONS

PA - Producing Active	FORM AND RECORD CHECK LIST					
NPA - No Potential Active	Form or record	Initials	Date	Form or record	Initials	Date
P1 - Potential Inactive	Form OGD121	HC	8/27/02	Map and Book	RB	8/31/02
NPI - No Potential Inactive	Well records	HC	8/27/02	Lease Files		
Ab - Abandoned or No More Wells	New well cards	HC	8/02	EDP	HC	
WEB:hc	Bond Status	HC	8/27/02	District Computer Files	RB	8/29/02
cc: Cons. Committee						
Vintage Petroleum, Inc.						

Santa Barbara County
Greka SMV, Inc.
Harold Berthoff
OGD156 (Modified 1/00)

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL, GAS, AND GEOTHERMAL RESOURCES
(805) 937-7246

REPORT OF WELL ABANDONMENT

Santa Maria, California
March 12, 1997

Joey Barulich, Agent
Vintage Petroleum, Inc.
6527 Dominion Road
Santa Maria, CA 93454

Your report of abandonment of well "Travis" 3-1,
A.P.I. No. 083-21179, Section 12, T. 9N, R. 33W, S.B. B. & M.,
Cat Canyon field, Santa Barbara County,
dated 9-20-95, received 9-25-95, has been examined in
conjunction with records filed in this office. We have determined that all
of the requirements of this Division have been fulfilled relative to
plugging and abandonment of the well, removal of well equipment and junk,
and the filing of well records.

NOTES: 1. Surface plugging completed on 7-19-95 .
2. Site inspection made and approved 3-5-97 .

SP:dj

cc: Update
Cons. Committee

WILLIAM F. GUERARD, JR., State Oil and Gas Supervisor

B. William E. Brannon
Deputy Supervisor

**DIVISION OF OIL, GAS, AND GEOTHERMAL RESOURCES
CHECK LIST - RECORDS RECEIVED AND WELL STATUS**

COMPANY Vintage Petroleum Inc. WELL NO. "Travis" 3-1
 API NO. 083-21179 SEC. 12, T. 9N, R. 33W, S.B. B.&M.
 COUNTY Santa Barbara FIELD Santa Maria Valley

RECORDS RECEIVED

DATE

STATUS

Well Summary (Form OG100) _____
 History (form OG103) 9-25-95
 Directional Survey _____
 Core Record and/or SWS _____
 Other: _____
 Electric logs: _____

add - oil 5/17/95
 (Date)

Engineer's Check List

☒ Summary, History, & Core Record
☐ Directional Survey
☐ Logs
☒ Operator's Name
☒ Signature
☒ Well Designation
☒ Location _____

☒ Notices
☒ "T" Reports
☒ Casing Record
☒ Plugs
☒ Env. Insp. Date 3-5-97 SP
☐ Production/Injection
☐ E Well on Prod., enter EDP
☐ Computer

Clerical Check List

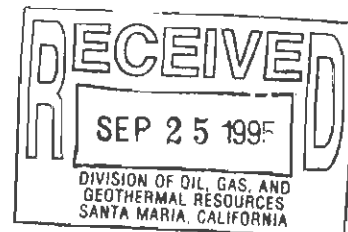
Form OGD121 _____
☐ Location change (OG165) _____
☐ Elevation change (GD165) _____
☒ Final Letter (OG159) 3/4/97
☐ Release of Bond (OGD150) _____
☐ Abd _____ in EDP _____
☐ Notice of Records Due (OGD170)
☐ Request: _____

☒ Map Work: _____
☐ Follow Up: _____

☒ Hold for: Final surface inspection

Records Approved 11/21/95 PRB

SUBMIT IN DUPLICATE
RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL AND GAS



History of Oil or Gas Well

Operator Vintage Petroleum Inc. Field Cat Canyon County Santa Barbara
Well "Travis" 3-1 Sec. 12 T. 9N R. 33W SB B. & M.
API No. 083-21179 Name Kenneth A. Olson Title Rig Foreman
(Person submitting report)
Date 09/20/95 Signature *Kenneth A. Olson*
6527 Dominion Rd, Santa Maria, Ca. 93454 (805) 934-7175
(Address) (Telephone Number)

History must be complete in all detail. Use this form to report all operations during drilling and testing of the well or during redrilling or altering the casing, plugging, or abandonment with the dates thereof. Include such items as hole size, formation test details, amounts of cement used, top and bottom plugs, perforation details, sidetracked junk, bailing tests and initial production data.

05/16/95

Moved in and rigged up abandonment equipment. Pulled out with 13, 1-3/8" hollow rods taking up to 30 minutes to pull one rod. Shut well in.

05/17/95

Opened well. Continued laying down rods and pump very slow (4 hrs.). Installed and tested BOPE. BJ circulated out heavy crude with 130 bbls of hot lease water. Lowered tubing and tagged fill at 2100', ETD at 2120', 20' of fill. DOG approved cement job at this depth. BJ pumped 168 cu. ft. of fresh water followed by 174 cu. ft. of class G cement and displaced with 58 cu. ft. of water. Pulled tubing to 1040'. BJ pumped 70 bbls of hot water, hole clean. Shut well in.

05/18/95

Ran in and tagged hard cement at 1190'. With tubing at 1189', BJ mixed and pumped 236 cu. ft. of 70# per cu.ft. mud to surface. Al Koller (DOG) witnessed and approved operations. Pulled tubing to 100' laying down excess tubing. BJ mixed and pumped 86 cu. ft. of class G cement. Laid down tubing leaving cement 6' from surface. Al Koller (DOG) waived witness. Rigged down and moved out abandonment equipment.

07/10/95 to 07/21/95

Removed pumping unit and all concrete. Dug out cellar and cut off casing strings 6' below surface. Removed all pipe lines. DOG inspected and approved casing strings. Welded on plate with date and well number on casing strings. Excavate and removed asphalt access roads and well site. Returned well site back to its original condition. DOG inspected and approved final site restoration.

MAP NO.	MAP LETTER	BOND NO.	1	121
				11/95

Vintage Petroleum Inc.

6527 Dominion Road
Santa Maria, Ca.

API No. O83-21179
Well Name Travis # 3-1
Field Name Cat Canyon
County, St. Santa Barbara, Ca.

Location: _____
Present Zones: _____
Current Production: _____
Cum Production: _____

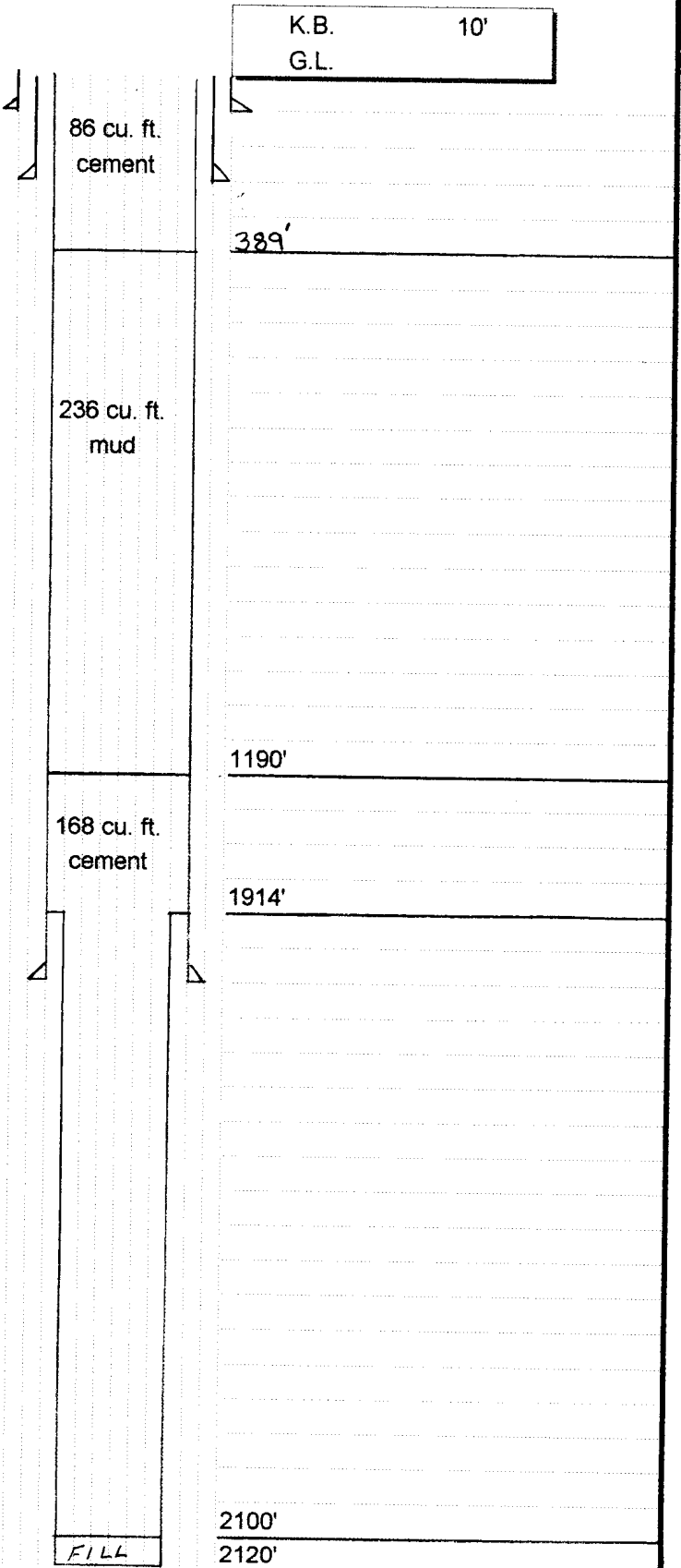
Casing			
Size	Description	Top	Bottom
16", 17 lb.	conductor	0'	40'
10-3/4", 40.5 lb.	surface	0'	208'
7", 23 lb.	oil string	0'	1940'
5", 18 lb.	Liner	1914'	2120'

Cement	
16" cemented at 40'	
10-3/4" cemented at 208'	
7" cemented at 1940'	

Tubing			
Size	Description	Top	Bottom
	None		

Rods			
Size	Description	No.	
	None		

Perfs	
1918' to 2120'	
2068' to 2120'	



BOFW 1447'
PBDT
TD 2120'
Date: 09/20/95 Ken Olson

Cat Canyon 7-19-95

Vintage Petroleum

"Travis" 3-1 Sec. 12 9/33



DEPARTMENT OF CONSERVATION

DIVISION OF OIL, GAS AND GEOTHERMAL RESOURCES
(805) 937-7246

REPORT ON OPERATIONS

Joey Barulich, Agent
Vintage Petroleum, Inc.
6527 Dominion Road
Santa Maria, CA 93454

Santa Maria, California
July 20, 1995

Your operations at well "Travis" 3-1 API No. 083-21179,
Sec. 12, T. 9N, R. 33W, S.B.B.&M. Cat Canyon Field, in Santa Barbara
County were witnessed on 7-19-95. J. R. Carnahan, representative of
the supervisor, was present from 1215 to 1230. Also present was
T. Glynn, Drilling Foreman.

Present condition of well: 16" cem. 50'; 10 3/4" cem. 208'; 7" cem. 1970'
W.S.O.; 5" ld. 1914'-2120', perfs. @ int. 1918'-2120'. T.D. 2120'.
Plugged w/cem. 2080'-1190' & 100'-5'.

The operations were performed for the purpose of plugging the well in the
process of abandonment.

DECISION: THE PLUGGING OPERATIONS AS WITNESSED AND REPORTED ARE APPROVED.

JC:dls

env ok sp
3-5-97

William F. Guerard, Jr.
State Oil and Gas Supervisor

By William E. Brannon
Deputy Supervisor

**DIVISION OF OIL AND GAS
Cementing/Plugging Memo**

395-224

Operator Vintage Petroleum, Inc. Well No. 3-1
API No. (483-21179) Sec. 12, T. 9N, R. 33W, S. 18, B&M
Field Cat Canyon, County Marathon. On 7-19-95,
Mr./Ms. J. R. Carnahan, representative of the supervisor, was present from 1215 to 1230.
There were also present T. Glynn, D.F.

Casing record of well: 16" cem. 50'; 10 3/4" cem. 208'; 7" cem. 1970' WSO; 5" Id. 1914'-
2120', perfs @ int. 1918'-2120'. TD 2120'. Plugged w/ cem. 2080'-1190'
100'-5'

The operations were performed for the purpose of (1.) - (a.) -

☒ The plugging/cementing operations as witnessed and reported are approved.

☐ The location and hardness of the cement plug @ _____' is approved.

Hole size: _____" fr. _____' to _____', _____" to _____' & _____" to _____'

Casing				Cemented			Top of Fill		Squeezed Away	Final Press.	Perfs.
Size	Wt.	Top	Bottom	Date	MO-Depth	Volume	Annulus	Casing			

Casing/tubing recovered: _____" shot/cut at _____', _____', _____' pulled fr. _____';
_____ " shot/cut at _____', _____', _____' pulled fr. _____'.

Junk (in hole): _____

Hole fluid (bailed to) at _____'. Witnessed by _____

Mudding	Date	Bbls.	Displaced	Poured	Fill	Engr.
<u>Gal & Fly ash 75#</u>	<u>5/18/95</u>	<u>42</u>	<u>thg @ 1185'</u>	<u>-</u>	<u>sfc.</u>	<u>A. Koller</u>

Cement Plugs		Placing	Placing Witnessed		Top Witnessed			
Date	Sx./cf	MO & Depth	Time	Engr.	Depth	Wt./Sample	Date & Time	Engr.
<u>5/17/95</u>	<u>174 CF</u>	<u>thg bag @ 2080'</u>	<u>rept by Glynn</u>	<u>1190'</u>	<u>5000#</u>	<u>5/18/95 1000</u>	<u>A. Koller</u>	<u>1</u>
<u>5/14/95</u>	<u>22</u>	<u>thg @ 100'</u>	<u>rept by R. Windes</u>	<u>5'</u>	<u>visual</u>	<u>7/19/95 @ 1225</u>	<u>J. Carnahan</u>	<u>1</u>
				<u>EM. Meyers</u>				

* Annulus OK, Plug had been installed on 7" casing, per

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL, GAS, AND
GEOTHERMAL RESOURCES

No. P 395-58
Field Code ---
Area Code --
New Pool Code --
Old Pool Code --

PERMIT TO CONDUCT WELL OPERATIONS

Larry L. Bates, Agent
Vintage Petroleum, Inc.
6527 Dominion Road
Santa Maria, CA 93454

Santa Maria, California
March 31, 1995

Your proposal to abandon well "Travis" 3-1,
A.P.I. No. 083-21179, Section 12, T. 9N, R. 33W, SB B.&M.,
Cat Canyon field, area, pool,
Santa Barbara County, dated 2-1-95, received 3-28-95, has been
examined in conjunction with records filed in this office.

THE PROPOSAL IS APPROVED PROVIDED THAT:

1. Hole fluid of a quality and in sufficient quantity is used to control all subsurface conditions in order to prevent blowouts.
2. Blowout prevention equipment conforming to Class II 2M requirements is installed and maintained in operating condition at all times.
3. All portions of the well not plugged with cement are filled with inert mud fluid having a minimum density of 70 lbs./cu ft. and a minimum gel-shear strength (10 min.) of 20 lbs./100 sq. ft.
4. THIS DIVISION IS NOTIFIED:
 - a. To witness placing cement below the retainer set at 1900'.
 - b. To witness the placing of the cement plug(s) from 1899' to 1347'.
 - c. To witness the mudding of the well.
 - d. To witness the placing of the surface plug or to verify its location.
 - e. To inspect and approve the cleanup of the well site before approval of abandonment will be issued.

Blanket Bond
AJK:dls

Engineer Al Koller
Phone (805) 937-7246

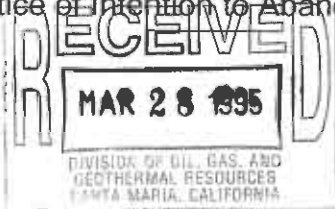
William F. Guerard, Jr.
State Oil and Gas Supervisor

By William E. Brannon
Deputy Supervisor

A copy of this permit and the proposal must be posted at the well site prior to commencing operations. Records for work done under this permit are due within 60 days after the work has been completed or the operations have been suspended.

DIVISION OF OIL AND GAS

Notice of Intention to Abandon Well



FOR DIVISION USE ONLY			
CARDS	BOND	FORMS	
		OGD114	OGD121
		Blanket 3/95 Dr	3/95 Dr

DIVISION OF OIL AND GAS

In compliance with section 3229, Division 3, Public Resources Code, notice is hereby given that it is our intention

to abandon well Travis # 3-1, API No. 083-21179

Sec. 12, T. 9N, R. 33W B. & M., Cat Canyon Field, Santa Barbara County,

commencing work on February 1, 19 95

The present condition of the well is:

1. Total depth 2120'
2. Complete casing record, including plugs and perforations (present hole)

16", 17#, cemented @ 40'

10-3/4", 40.5#, cemented @ 208'

7", 23#, Cemented @ 1970'

5", 18#, slotted liner, 1914' to 2120'

Perforations: 1918' to 2041', 2068' to 2120'

3. Last produced 9/1/81 20 0 40
(Date) (Oil, B/D) (Gas, Mcf/D) (Water, B/D)

4. Last injected
(Date) (Water, B/D) (Gas, Mcf/D) Surface Pressure

Additional data for dry hole (show depths):

5. Oil or gas shows

6. Stratigraphic markers

7. Formation and age at total depth

8. Base of fresh water sands 145'

9. Is this a critical well according to the definition on the reverse side of this form? Yes ☐ No ☒

The proposed work is as follows:

See attached sheet.

It is understood that if changes in this plan become necessary, we are to notify you immediately.

Address 4200 One Williams Center
(Street)

Tulsa OK. 74172
(City) (State) (Zip)

Telephone Number (918) 592-0101
(Area Code) (Number)

Vintage Petroleum Inc.
(Name of Operator)

By Michael J. Moyers
(Print Name)

Michael J. Moyers 2/1/95
(Signature) (Date)

Vintage Petroleum Inc.

Travis # 3-1

Abandonment Proposal

Casing : 16" 17#	cemented @ ¹⁰ 40'	KB:	10'
10-3/4" 40.5#	cemented @ 208'	ETD:	2120'
7" 23#	cemented @ 1970' w 50	TOL:	1914'
5" 18#	1914' - 2120'		

Perforations : 1918' - 2041', 2068' - 2120'

Junk in Hole : None

Rod Detail: 68 - 1 3/8" hollow	Tubing Detail: KB	10'
	FN	1'
	61 - 3 1/2" EUE 9.3#	1900'
	X - Over	1'
Pump Size: 2 1/2" x 2" x 18' RWA-KD	7 - 2 7/8" A-95 6.5#	218'
Notes :	Pump Shoe	1'
	Gas Anchor	30'
	OA	2061'

- 1: Move in Production Hoist. Pull rods and pump. Install Class II BOPE. Pull out with tubing. Clean out any fill to EDT @ 2120'.
- 2: Run in with Haliburton 7" - 23# EZ Drill cement retainer on tubing. Set retainer @ 1900'. Circulate hole clean. Stab into retainer and establish pumping rate.
- 3: Mix and pump 24 cu.ft. of Class G cement and displace to top of retainer @ 1900' with 93 cu.ft. of water. Pull out of retainer and reverse circulate tubing clean. Use plastic lined bin for all cement returns.
- 4: With tubing @ 1899', mix and pump 122 cu.ft. of Class G cement and displace to top of cement plug @ 1347' with 66 cu.ft. of water. Pull tubing to 1346'.
- 5: Pump 273 cu.ft. of 70# abandonment mud to surface. Pull tubing to 100'. Mix and pump 22 cu.ft. of Class G cement to surface. Pull tubing leaving top of cement 6' from surface. Move out Production Hoist.
- 6: Cut off casing strings 6' below surface. Fill all casing annuli with cement if needed. Weld on plate with well number and date. Remove any concrete, pipe lines, and any equipment. Restore location to its natural condition.

Vintage Petroleum Inc.

Travis # 3-1

Casing Detail

16" 17# cemented @ 40'
10-3/4 40.5# cemented @ 208'
7" 23# cemented @ 1940'

K.B. 10'

Tubing Detail

KB 10'
Fatigue Nipple 1'
61 - 3 1/2" EUE 9.3# tubing 1900'
3 1/2" EUE x 2 7/8" A-95 1'
7 - 2 7/8" A-95 tubing 218'
A-95 Pump Shoe 1'
A-95 Gas Anchor 30'
O.A. 2061'

Rod Detail

68 - 1 3/8" Hollow

Pump

2 1/2" x 2" x 18' RWA-KD

Liner Detail

5" 17# 1914' - 2120'

Top of Liner 1914'

Perforations

1918' - ~~2120'~~ ^{2041'}

2068' - 2120'

cemented @ 208'

ETD 2120'

IDLE WELL MONITORING RECORD

WELL NAME

DFW 1415

WELL TYPE

[illegible]

REMARKS:

DIVISION OF OIL AND GAS
CHECK LIST - RECORDS RECEIVED AND WELL STATUS

Company Chevron U.S.A. Inc. Well No. "Travis" 3-1
 API No. 083-21179 Sec. 12, T. 9N, R. 33W, S.B. B.&M.
 County Santa Barbara Field Cat Canyon

<u>RECORDS RECEIVED</u>	<u>DATE</u>
Well Summary (Form OGI00)	<u>3-26-79</u>
History (Form OGI03)	<u>3-26-79</u>
Core Record (Form OGI01)	<u>9-22-78</u>
Directional Survey	
Sidewall Samples	
Other	
Date final records received	
Electric logs:	<u>9-22-78</u>

<u>STATUS</u>	<u>STATUS</u>
Producing - Oil <input checked="" type="checkbox"/>	Water Disposal <input type="checkbox"/>
Idle - Oil <input type="checkbox"/>	Water Flood <input type="checkbox"/>
Abandoned - Oil <input type="checkbox"/>	Steam Flood <input type="checkbox"/>
Drilling - Idle <input type="checkbox"/>	Fire Flood <input type="checkbox"/>
Abandoned - Dry Hole <input type="checkbox"/>	Air Injection <input type="checkbox"/>
Producing - Gas <input type="checkbox"/>	Gas Injection <input type="checkbox"/>
Idle - Gas <input type="checkbox"/>	CO ₂ Injection <input type="checkbox"/>
Abandoned - Gas <input type="checkbox"/>	LPG Injection <input type="checkbox"/>
Gas-Open to Oil Zone <input type="checkbox"/>	Observation <input type="checkbox"/>
Water Flood Source <input type="checkbox"/>	
DATE <u>9-17-78</u>	
RECOMPLETED <input type="checkbox"/>	
REMARKS	

- ENGINEER'S CHECK LIST**
- Summary, History, & Core record (dupl.) ☒
 - Electric Log ☒
 - Operator's Name ☒
 - Signature ☒
 - Well Designation ☒
 - Location ☒
 - Elevation ☒
 - Notices ☒
 - "T" Reports ☒
 - Casing Record ☒
 - Plugs ☒
 - Surface Inspection ☒
 - Production ☒
 - E Well on Prod. Dir. Sur. ☒

- CLERICAL CHECK LIST**
- Location change (F-OGDI65) ☐
 - Elevation change (F-OGDI65) ☐
 - Form OGD121 ☐
 - Form OGI59 (Final Letter) ☐
 - Form OGD150b (Release of Bond) ☐
 - Duplicate logs to archives ☐
 - Notice of Records due (F-OGDI70) ☐

Hold for 1 yr. additional prod.
1978 prod

mo.	oil	water	days
Sept	0	408	17
Oct.	0	216	9
Nov.	0	100	30
Dec.	0	144	6

Follow up May 1980

RECORDS NOT APPROVED
 Reason: _____

RECORDS APPROVED ☒ *OK*
RELEASE BOND _____
 Date Eligible _____
 (Use date last needed records were received.)
 MAP AND MAP BOOK 310 5/24/80 PER

17



Chevron U.S.A. Inc.

DIVISION OF OIL AND GAS

MAR 2 1979

Page 1

Completion Report
New Well PRO-318Field Bradley Canyon

Property: "Travis"

Well No. 3-1Sec. 12 T. 9-N R. 33-W S. B B.&M.Location From the northwest corner of Section 12, 451.29' southerly along the section line; thence 989.56' easterly at right angles.Elevation 407.76' Derrick Floor D.F. is 10 ' above mat.Date 2-1-79.

by Chevron U.S.A. Inc.

J. T. Cameron
J. T. CAMERON, OPERATIONS SUPT.

PRODUCTION DEPT., SO. CALIF. DIV.

Drilled By Camrich Rig D-1Date Commenced Drilling September 2, 1978Date Completed Drilling September 11, 1978Date of Initial Production September 17, 1978

Production: Daily Average, 1st 15 Days Gravity 8.9 °API Pump x

Oil 4 Bbls. T.P. 40 p PSI Flowing

Water 9 Bbls. C.P. 40 PSI Gas Lift

Gas 0 Mcf. Bean /64"

Summary Total Depth: 2,120'

Side tracked hole 2,275'

Plugs: None

Side tracked hole 1,973'-2,275' cement

Casing Detail:

16" Cemented at 50'.

10-3/4" 40.5#, K-55, buttress, cemented at 208'

7" 23#, S00-95 buttress, cemented at 1,970'. WSO on shoe.

206' of 5" 18#, S00-95, buttress, blank and slotted liner landed at 2,120' with top at 1,914'. Perforated with 8 rows 2"x30 mesh, 6" centers, SMC slots 1,919'-1,969' and with 16 rows, 2"x30 mesh, 6" centers, SMC slots 1,969'-2,041', and 2,068'-2,120'.

Distribution:D.O.G. - Santa Maria (2)

C. L. Thomas - Expl., S.F.

Data Coord. - Expl., S.F.

Sect. 741 - Concord

S. B. Well File

L. H. Well File

Santa Barbara County Petroleum Dept.

624 West Foster Road

Santa Maria, California 93454

Map No.	Map Letter	Bond No.	Forms		
			115	116	121
					121

- September 2, 1978 Moved in rig and rigged up. Spudded well at 2:30 PM September 2, 1978. Drilled 14-3/4" hole 50'-208'. Made wiper run and circulated hole clean. Ran 5 joints of 10-3/4", 40.5#, K-55 buttress casing to 208'. B. J. mixed 80 sacks of class "G" cement treated with 3% CaCl_2 when casing pressured up to 1,100 psi. Found cementing head had wrong plug in it. Pulled the 10-3/4" casing. Found top wiper plug was pumped in hole ahead of cement and had bumped and sealed off on float collar. Cleaned cement out of 10-3/4" casing.
- September 3, 1978 Ran 14-3/4" bit to 208'. No fill.
- Reran and landed 5 joints of 10-3/4", 40.5#, K-55, buttress casing at 208'. Casing equipped with a guide shoe on bottom and a float collar on top of first joint at 164'. Casing fitted with two turbogan centralizers on shoe joint and one centralizer on third joint. Cemented the 10-3/4" casing through the guide shoe at 208' with 245 cubic feet of class "G" cement treated with 3% CaCl_2 . Bumped plug on float collar at 164' with 1,000 psi. Had good circulation through out job with 40 cubic feet of cement returns to surface.
- Cut off the 16" and 10-3/4" casing and installed 10-3/4" 3,000# SOW casing head. Installed class II-A B.O.P.E. and tested to 500 psi.
- Ran 9-7/8" bit, drilled out float collar at 164', cement to 208', shoe at 208' and drilled 9-7/8" hole 208'-228'.
- September 4, 1978 Drilled 9-7/8" hole from 228'-1,422'.
- September 5, 1978 Drilled 9-7/8" hole 1,422'-1,800'. Drilled 6 1/4" hole 1,800'-2,275'. Circulated and conditioned mud.
- September 6, 1978 Dresser Atlas ran Dual Induction Laterolog and recorded 2,275'-208'. Ran FDC-CNL-Gammaray Log and recorded 2,275'-208'. Took 15 side wall samples in the interval 2,270'-1,935'. Recovered 15 samples.
- Ran 612' of 2-3/8" tubing stinger on 4" drill pipe to 2,275' and equalized 100 cubic feet of class "G" cement treated with 30% silica flour and 0.75% D-31. Pulled up to 1,735' and circulated. Estimated top of cement at 1,850". Ran 9-7/8" bit to 1,800'.
- September 7, 1978 Opened 6-1/4" hole to 9-7/8" 1,800'-1,970'. Drilled out cement in 6 1/4" hole 1,830'-1,970' while opening hole to 9-7/8". Ran and landed 47 joints of 7", 23#, S00-95

September 7, 1978 (cont'd)

buttress casing at 1,970'. Casing equipped with float shoe on bottom at 1,970' and float collar on top of second joint at 1,884'.

Casing was fitted with two B & W turbo-fin centralizers on each of the bottom two joints and one every 80' to surface. B. J. pumped in 500 gallons of mud flush. Cemented the 7" casing through the float shoe at 1,970' with 900 cubic feet of class "G" cement mixed with 1-1 perlite, 40% silica flour, treated with 1.5% R-5 retarder and 1% D-19, followed with a pump through wiper plug and 72 cubic feet of aluminate cement mixed with 20% silica flour, treated with 0.1% R-5 retarder and 1% AAA accellerator.

Bumped plug on float collar with 1,200 psi. using 418 cubic feet of mud. Had 100 cubic feet of cement returns to surface. Removed class II-A B.O.P.E. and installed casing jacks. Waited on cement 5 hours. Took 234,600# pull four times on the 7" casing and achieved 19" stretch. (Theoretical=21") Set slips and cut off the 7" casing. Welded SOW 6"x5,000# tubing head.

September 8, 1978

Reinstalled class II-A B.O.P.E. Ran 6¼" bit and 7" casing scraper tagging float collar at 1,884'. Tested B.O.P.E. with 1,000 psi. Drilled out float collar, cement, float shoe at 1,970', and firm cement to 1,973'. circulated hole clean. Ran HOWCO WSO tester on dry 3½" drill pipe. Put 600 psi. nitrogen cushion in drill pipe, set packer at 1,929' with tail at 1,930'. Opened tool at 8:30 PM for a 60 minute test. Bled off nitrogen cushion in 15 minutes and had very faint blow for 10 minutes then dead for remainder of test. Pulled and recovered 10' rise of drilling fluid. Charts OK. Test witnessed and approved by Division of Oil and Gas.

Changed over from 68# gel mud to 67# "HEC" polymer.

Ran Dyna-Drill, side tracked hole at 1,973' and dyna-drilled 6¼" hole to 2,063'.

September 9, 1978

Dyna-drilled 6¼" hole 2,063'-2,120'. Circulated hole clean.

Dresser Atlas ran Dual Induction Laterlog-Gamma and recorded 2,120'-1,970'.

Ran Grant 6¼"x12" hole opener and opened 6¼" hole to 12" 2,055'-2,120', and 1,970'-2,040'. Ran open end 3½"

September 9, 1978(cont'd)

drill pipe and backscuttled out at 2,040' and 2,120'.

Ran and landed 206' of 5", 18#, S00-95 buttress, blank and slotted liner at 2,120' with top at 1,914'. Liner equipped with a shop made bull nose shoe on bottom and a brass ring, lead seal adaptor combination Hi-pressure, Hi-temperature port collar on top.

Liner fitted with one 5"x12" VRC gravel pack centralizer per joint of slotted liner below 1,970' and one set of non-welded centralizing lugs at 1,960'. Port collars at 1,916' and 2,057'.

Liner Detail:

Bottom 52' (2,120'-2,068') 5", 18#, S00-95, buttress slotted liner perforated with 16 rows, 2"x30 mesh, 6" centers SMC slots.
next 10' (2,068'-2,058') 5", 18#, S00-95, buttress blank liner.
Next 2' (2,058'-2,056') 5", Hi-Tensile strength Port collar.
Next 15' (2,056'-2,041') 5", blank as above.
Next 72' (2,041'-1,969') 5", slotted as above.
Next 50' (1,969'-1,919') 5", 18#, S00-95', buttress slotted liner perforated with 8 rows, 2"x30 mesh 6" centers SMC slots.
Top 5' (1,919'-1,914') 5", Brass ring, lead seal adapter combination Hi-pressure Hi-temperature port collar.

Total 206'

Drove the lead seal and tested to 1,000 psi. Ran Baker gravel packing tool to Port collar at 2,057'.

September 10, 1978 Located port collar at 2,057' and tested to 1,000 psi. Open port collar and gravel packed with 51 cubic feet of -10+16 gravel (theoretical volume = 41 cubic feet). Closed and tested port collar to 1,000 psi.

Located port collar at 1,916' and tested to 1,000 psi.. Opened port collar and gravel packed with 12 cubic feet of -10+16 gravel and pressure went from 200 psi. to 800 psi. Closed and tested port collar to 1,000 psi. Backscuttled out 2 cubic feet of gravel. Washed liner from

September 10, 1978 (cont'd)

1,980'-1,918'. Tested port collar at 1,916' to 1,000 psi. Opened port collar and gravel packed with 6 cubic feet of gravel and pressure went from 200 psi. to 800 psi. Closed port collar and backscuttled out 1 cubic foot of gravel. Pulled gravel packing tools and found a small piece of cement in tools. Changed gravel packing tools. Ran tools in hole to port collar at 1,916' and tested port collar to 1,000 psi. Opened port collar and gravel packed with 48 cubic feet of -10+16 gravel. Closed and tested port collar to 1,000 psi. Total gravel through port collar at 1,916' = 61 cubic feet versus 51 cubic feet theoretical volume.

Total gravel behind liner = 112 cubic feet versus 92 cubic feet theoretical volume, used Pico filters to filter gravel packing fluid.

Ran 240' of 2-3/8" tubing stinger on drill pipe to bottom at 2,120'. No fill. Displaced hole fluid with 120 barrels of lease K.D.

September 11, 1978 Landed one joint of 3 1/2" tubing on Donut in tubing head with safety valve. Removed class II-A B.O.P.E. Released rig at 1:30 PM September 11, 1978.

Cores were taken in this well. Directional survey was taken.

DRILLING FLUID HISTORY

<u>Interval</u>	<u>Type of Fluid</u>	<u>Weight (pcf)</u>
Spud to 2,275' and plugging back. Running 10-3/4" and 7" casing 1970'-2120', running 5" liner and completing.	Gel Water HEC Polymer	68-71 66-67

FORMATION EVALUATION HISTORY

<u>Company</u>	<u>Type Log, Ft., Core, Etc.</u>	<u>Date Performed</u>	<u>Interval</u>
Dresser Atlas	Dual Induction Laterolog	9-6-78	2275'- 208'
Dresser Atlas	F.D.C.-CNL- GammaRay	9-6-78	2275'- 208'
Dresser Atlas	Laterlog - Gamma	9-9-78	2120'-1970'

SIDEWALL SAMPLES

	<u>Shot</u>	<u>Recovered</u>	<u>Date</u>	<u>Interval</u>
Dresser Atlas	15	15	9-6-78	2270'-1935'

DIVISION OF OIL AND GAS
RECEIVED

OCT 2 1978

Santa Maria, California

DEPTH	RECOVERY	LITH.	COLOR	TEXTURE		SORTING	SIZE GRAINS	ANGULARITY	ACCESSORIES	STRUCTURES	OIL SHOWS												REMARKS																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
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Co. Chevron USA Inc.
Well Travis 3-1
Loc. Sec 12-9N-33W

COMPANY Chevron USA Inc.
WELL Travis 3-1
LOCATION Sec 12-9N-33W

SERVICE CO. Drew Atwood
SIDEWALL SAMPLE DESCRIPTIONS
DESCRIBED BY Drew Atwood
SHOT DATE 9/6/75
DESCRIBED DATE 9/7/75

LEGEND

X FEATURE OCCURS
WITH OIL
WITH OIL-STAINING
IN PART
MODERATELY
VERY

A ABUNDANT
C COMMON
R RARE
S SLIGHTLY OR
SLIGHT
N NO

CC.
ORIG.

CHEVRON U.S.A. INC.
 TRAVIS 3-1
 BRADLEY CANYON
 SANTA BARBARA

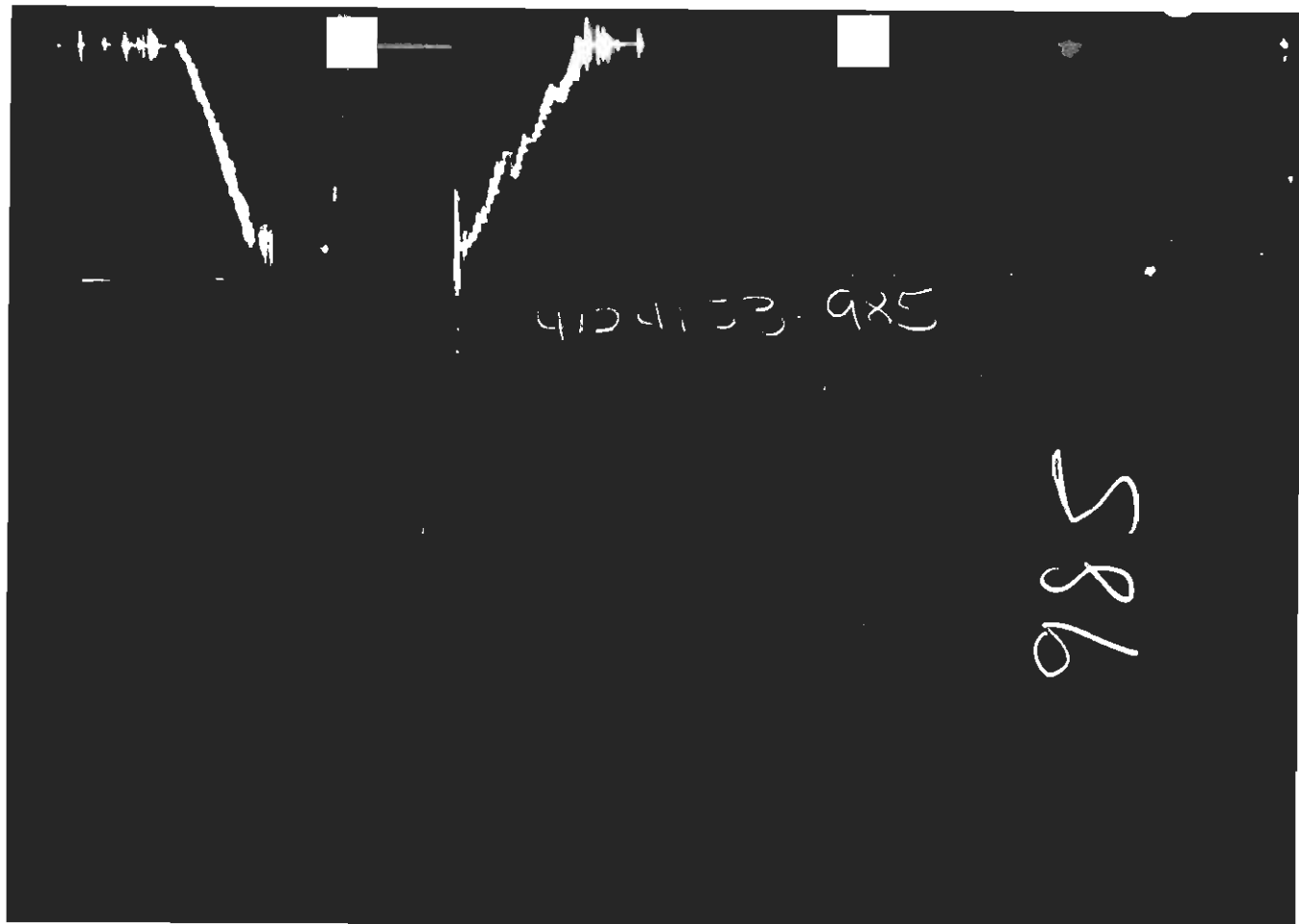
DATE : 8-SEP-78
 FORMATION :
 DRLG. FLUID: WB
 LOCATION : SEC 12-T9N/R33W

FILE NO : BP-1-7700
 LABORATORY: BAKERSFIELD
 ANALYSTS : JW
 ELEVATION : 415'DF

SIDEWALL CORE ANALYSIS

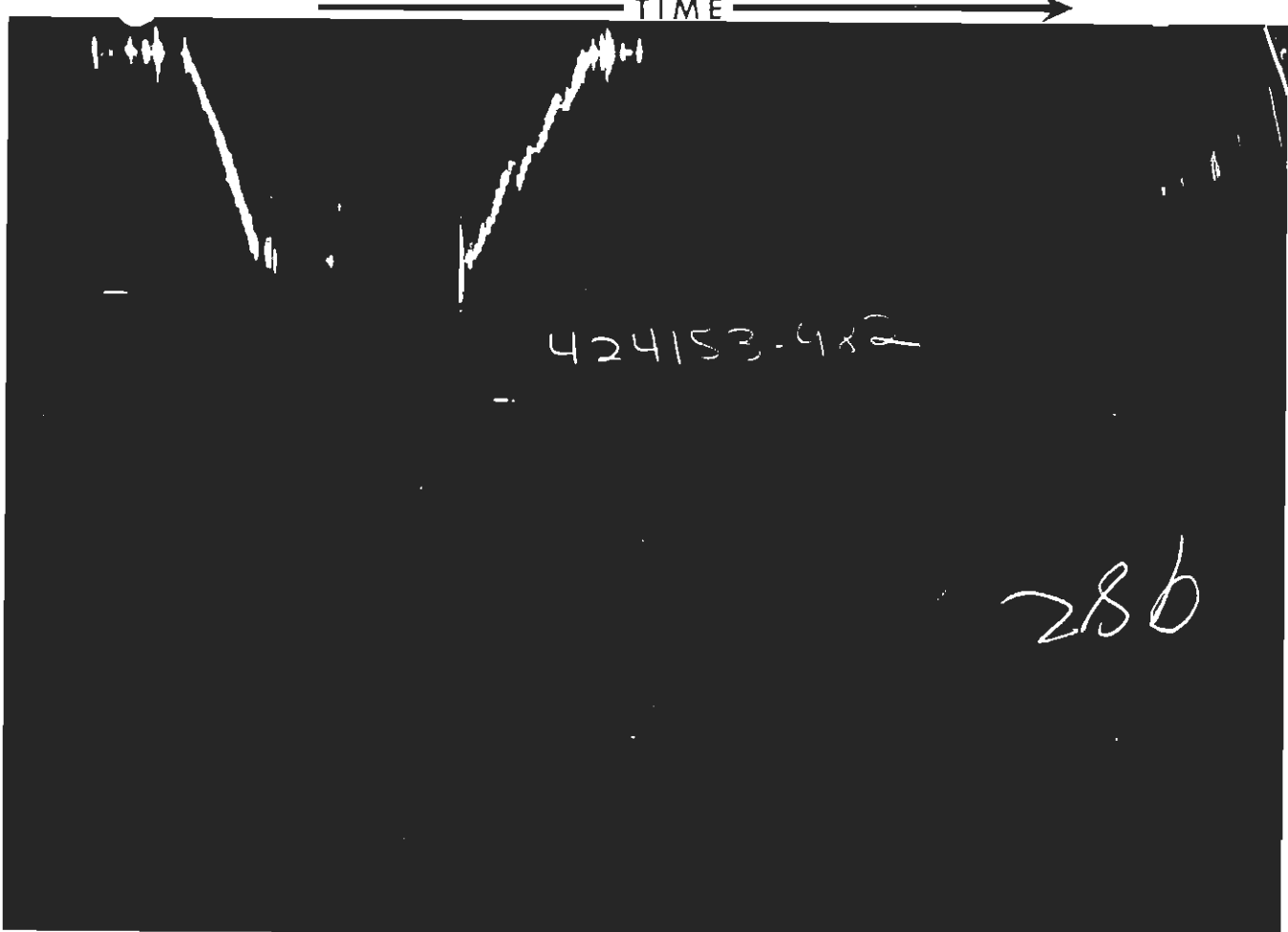
REC IN	DEPTH	PERM MD	POR %	OIL% PORE	WTR% PORE	O/W RATIO	SAMPLE WEIGHT	DESCRIPTION
1.0	1965.0	1122.	37.8	44.1	40.4	1.09	15.14	SD;BRN;FGR/CLY INCLS;DSTN;DGLD FLU
1.4	1985.0	714.	34.2	41.7	43.4	0.96	16.73	SAME
1.2	2075.0	329.	34.0	24.4	62.0	0.39	14.81	SAME
1.0	2100.0	588.	36.9	38.9	44.9	0.87	17.53	SAME

PRESSURE
↓



985

TIME →



286

Casing perms. _____ Bottom choke _____ Surf. temp _____ °F Ticket No. _____
Gas gravity _____ Oil gravity _____ GOR _____
Spec. gravity _____ Chlorides _____ ppm Res _____ @ _____ °F

INDICATE TYPE AND SIZE OF GAS MEASURING DEVICE USED.

[illegible]

	O. D.	I. D.	LENGTH	DEPTH
Drill Pipe or Tubing	5"	2.25"	1'	
Reversing Sub				
Water Cushion Valve				
Drill Pipe	3½"	2.764"	1920'	
Drill Collars				
Handling Sub & Choke Assembly	3½"	2.76"	4.70'	
Dual CIP Valve				
Dual CIP Sampler				
Hydro-Spring Tester	3.90"	.62"	5.01'	??
Multiple CIP Sampler				
Extension Joint				
AP Running Case				
Hydraulic Jar				
VR Safety Joint				
Pressure Equalizing Crossover				
Packer Assembly	5 7/8"	2.25"	3.95'	1929'
Perforated tail	2 7/8"	2.33"	4.82'	
Distributor				
Packer Assembly				
Flush Joint Anchor				
Pressure Equalizing Tube			4'	1941'
Blanked-Off B.T. Running Case (2)	3 7/8"	3"	4.15'	1945'
Drill Collars				
Anchor Pipe Safety Joint				
Packer Assembly				
Distributor				
Packer Assembly				
Anchor Pipe Safety Joint				
Side Wall Anchor				
Drill Collars				
Flush Joint Anchor				
Blanked-Off B.T. Running Case				
Total Depth				1973'

NOMENCLATURE

b	= Approximate Radius of Investigation	Feet
b_1	= Approximate Radius of Investigation (Net Pay Zone h)	Feet
D.R.	= Damage Ratio	—
El	= Elevation	Feet
GD	= B.T. Gauge Depth (From Surface Reference)	Feet
h	= Interval Tested	Feet
h_1	= Net Pay Thickness	Feet
K	= Permeability	md
K_1	= Permeability (From Net Pay Zone h)	md
m	= Slope Extrapolated Pressure Plot ($\text{Psi}^2/\text{cycle Gas}$)	psi/cycle
OF_1	= Maximum Indicated Flow Rate	MCF/D
OF_2	= Minimum Indicated Flow Rate	MCF/D
OF_3	= Theoretical Open Flow Potential with/Damage Removed Max.	MCF/D
OF_4	= Theoretical Open Flow Potential with/Damage Removed Min.	MCF/D
P_s	= Extrapolated Static Pressure	Psig.
P_f	= Final Flow Pressure	Psig.
P_{or}	= Potentiometric Surface (Fresh Water*)	Feet
Q	= Average Adjusted Production Rate During Test	bbls/day
Q_1	= Theoretical Production w/Damage Removed	bbls/day
Q_g	= Measured Gas Production Rate	MCF/D
R	= Corrected Recovery	bbls
r_w	= Radius of Well Bore	Feet
t	= Flow Time	Minutes
t_o	= Total Flow Time	Minutes
T	= Temperature Rankine	$^{\circ}\text{R}$
Z	= Compressibility Factor	—
μ	= Viscosity Gas or Liquid	CP
Log	= Common Log	

* Potentiometric Surface Reference to Rotary Table When Elevation Not Given,
Fresh Water Corrected to 100° F.

RESOURCES AGENCY OF CALIFORNIA
DEPARTMENT OF CONSERVATION
DIVISION OF OIL AND GAS

Report on Operations
(805) 925-2686

No. T 378-177

Mr. R. E. France, Agent
Chevron U.S.A. Inc.
P. O. Box 605
La Habra, CA 90631

Santa Maria Calif.
September 21, 1978

DEAR SIR:

Operations at well No. "Travis" 3-1, API No. 083-21179, Sec. 12, T. 9N, R. 33W,
S.B., B & M. Cat Canyon Field, in Santa Barbara County, were witnessed
on 9-8-78. Mr. R. Thomas, representative of the supervisor was
present from 2230 to 0015. There were also present Chuck Eastwood - drilling
foreman & Ed Morris - tester.

Present condition of well: 10 3/4" cem. 208'; 7" cem. 1970' W.S.O. Present T.D. 1973'.

The operations were performed for the purpose of witnessing a test of the 7" water shut-
off by the formation tester method.

DECISION: THE 7" SHUT-OFF AT 1970' IS APPROVED.

RT:dv

M. G. MEFFERD

~~XXXXXXXXXXXXXXXXXXXX~~
State Oil and Gas Supervisor

By John L. Zuehlke Deputy

DIVISION OF OIL AND GAS

Formation tester WATER SHUT-

TEST

No. T

378.177

Operator Chevron U.S.A. Inc.Well name and no. "Travis" 3-1 Sec. 12, T. 9N, R. 33W, SR B&MField Cat Canyon, County Santa Barbara was tested for water shut-off on Sept. 8, 1978; Mr. R. Thomas, representative of the supervisor was present from 2200 to 0015. There were also presentCasing record of well: Chuck Eastwood - Drills Foreman Ed Morris - Tester
10 3/4" cem 208; 7" cem. 1970 WSO. Present T.O. 1973.The operations were performed for the purpose of witnessing a test of the 7" water shut-off by the formation tester method.

- ☒ The 7 " shut-off at 1970 ' is approved.
- ☐ The seal between the _____ " and _____ " casings is approved.
- ☐ The operations are approved as indicating that all of the injection fluid is confined to the formations below _____ ' at this time.

Hole size: 10 3/4 " fr. surf ' to 208 ', 9 7/8 " to 1970 ' & _____ " to _____ '.

Casing				Cemented			Top of Fill		Sqd. Away	Final Press	Test psi/min. Perfs.
Size	Wt.	Top	Bottom	Date	MO-Depth	Volume	Annulus	Casing			
<u>10 3/4</u>	<u>40.5</u>	<u>surf</u>	<u>208</u>	<u>9/3/78</u>	<u>shoe - 208</u>	<u>245 f³</u>	<u>returns</u>	<u>-</u>			
<u>7</u>	<u>23</u>	<u>surf</u>	<u>1970</u>	<u>9/6/78</u>	<u>shoe - 1970</u>	<u>1032 f³</u>	<u>returns</u>	<u>1940</u>			

Depth or interval tested 1970 - 1973The hole was open to 1973 ' for test.

FORMATION TEST:

Packer(s) 1929 ' & _____ ' Tail 1945 ' Bean size 3/4 " Cushion 600# N₂IHP 869 IFP 10 FFP 10 FHP 869Blow 1/2 blow for 10 min then loadOpen for test 1 Hr. _____ min. Fluid entry 7" of Jelly fluid

BAILING TEST:

The hole fluid was bailed to _____ ' , at _____ on _____ 19__.

The hole fluid was found at _____ ' , at _____ on _____ 19__.

(time)

PRODUCTION TEST:

Gauge/meter reading _____ on _____ 19__, at _____ pump depth _____ ' Engr. _____

Gauge/meter reading _____ on _____ 19__, at _____ Engr. _____

Fluid level _____ ' surveyed on _____ 19__, reviewed (witnessed) by _____

Total fluid produced, Bbls. _____ Net oil _____ Water _____

Rate: _____ B/D oil, _____ B/D water, _____ % water cut

INJECTION SURVEY:

RA/Spinner/Temperature survey run at _____ B/D & _____ psi on _____ 19__, fluid confined below _____ ' (Packer depth _____ ')

REPORT ON PROPOSED OPERATIONS

(805) 925-2686

Santa Maria, California

August 15, 1978

R. E. France, Agent
Chevron U.S.A. Inc.
P. O. Box 605
La Habra, CA 90631

Your proposal to drill well "Travis" 3-1
(Name and number)
A.P.I. No. 083-21179, Section 12, T. 9N, R. 33W
S.B. B. & M. Cat Canyon field, Santa Barbara County,
dated 8-11-78, received 8-14-78, has been examined in conjunction
with records filed in this office.

DECISION: THE PROPOSAL IS APPROVED PROVIDED THAT:

1. Sufficient cement shall be pumped in back of the 10 3/4" casing to fill to the surface.
2. Blowout-prevention equipment, as per Manual No. MO 7, equivalent to Division of Oil and Gas Class IIA 2M, shall be installed and maintained in operating condition at all times.
3. Hole fluid of a quality and in sufficient quantity to control all subsurface conditions in order to prevent blowouts shall be used.
4. Sufficient cement shall be used to fill in back of the 7" casing to at least 100' above the highest zone containing oil or gas, or salt water, or the casing shall be cemented to at least 100' above the highest zone containing oil or gas, and also through ports 100' below the base of the freshwater with sufficient cement to fill behind casing to the surface.
5. A directional survey, if made, shall be filed with this Division.
6. THIS DIVISION SHALL BE NOTIFIED TO WITNESS a test of the 7" water shutoff prior to placing the well on production.

BLANKET BOND
AJK:dy

By M. G. MEFFERD
State Oil and Gas Supervisor
John L. Zurberti
Deputy Supervisor
John L. Zurberti

DIVISION OF OIL AND GAS
Notice of Intention to Drill New WellDIVISION OF OIL AND GAS
RECEIVED

AUG 14 1978

Santa Maria, California

This notice and indemnity or cash bond shall be filed, and approval given, before drilling begins. If operations have not commenced within one year of receipt of the notice, this notice will be considered cancelled.

FOR DIVISION USE ONLY					
MAP	MAP BOOK	CARDS	BOND	FORMS	
				114	121
340	PK 8-14-78	8-14-78	Blanket		8-14-78

DIVISION OF OIL AND GAS

In compliance with Section 3203, Division 3, Public Resources Code, notice is hereby given that it is our intention to commence drilling well No. "TRAVIS" 3-1, API No. 083-21179Sec. 12, T. 9N, R. 33W, S.B. B. & M., BRADLEY CANYON Field, SANTA BARBARA County.Legal description of mineral-right lease, consisting of _____ acres, is as follows: _____
(Attach map or plat to scale)Do mineral and surface leases coincide? Yes X No _____ If answer is no, attach legal description of both surface and mineral leases, and map or plat to scale.Location of well 990' feet EASTERLY along section line and 450' feet SOUTHERLY
(Direction) (Direction)at right angles to said line from the NORTHWEST corner of section 12
9N, 33W.If well is to be directionally drilled, show proposed coordinates at total depth 120'+ DUE NORTH OF SURFACE
LOCATION.Elevation of ground above sea level 405 398 feet.All depth measurements taken from top of DERRICK FLOOR which is 10 feet above ground.
(Derrick Floor, Rotary Table or Kelly Bushing)

PROPOSED CASING PROGRAM

SIZE OF CASING INCHES A.P.I.	WEIGHT	GRADE AND TYPE	TOP	BOTTOM	CEMENTING DEPTHS	CALCULATED FILL BEHIND CASING
10-3/4"	40.5#	H-40, 8RD ST&C	0'	90'	90'	(CONDUCTOR)
7"	23#	S00-95 BUTTRESS	0'	1,850'±	1,850'±	
5"	18#	S00-95 BUTTRESS	1,800'	2,260'±	GRAVEL FLOW PACK	

(A complete drilling program is preferred and may be submitted in lieu of the above program)

Intended zone(s) of completion SISQUOC SANDS 600 PSI Estimated total depth 2,275'
(Name, depth and expected pressure)

It is understood that if changes in this plan become necessary we are to notify you immediately.

Address P. O. BOX 605
(Street)
LA HABRA CA 90631
(City) (State) (Zip)Telephone Number (213) 691-2251By J. T. CAMERON 8-11-78
(Name) (Date)Type of Organization CORP.
(Corporation, Partnership, Individual, etc.)